

Amendment to the Claims

1. (Original) Apparatus for remote inspection of a pressurized pipeline fluid, said apparatus comprising:

a detector in communication with the pipeline fluid for measure of a predetermined internal condition of the pipeline; and

an electronic circuit in communication between the detector and a remote central station for issue of a wireless signal to the remote central station, the wireless signal including information about the predetermined internal condition.

2. (Original) The apparatus of claim 1 wherein the electronic circuit is adapted to issue a wireless signal upon detection of the predetermined internal condition.

3. (Original) The apparatus of claim 1 wherein the electronic circuit is adapted to issue a wireless signal upon receipt of a signal from the remote central station.

4. (Original) The apparatus of claim 1 wherein the predetermined internal condition comprises an out of range pressure condition of the pipeline fluid.

5. (Original) The apparatus of claim 4 wherein the detector comprises a fluid pressure gauge in communication with the pipeline fluid for measure and display of a pressure condition of the pipeline fluid.

6. (Original) The apparatus of claim 1 wherein the detector comprises a flow meter in communication with the pipeline fluid for measure the rate of flow of the pipeline fluid and the predetermined internal condition comprises the rate of flow of the pipeline fluid.

7. (Original) The apparatus of claim 6 wherein the electronic circuit is configured to issue a wireless signal upon detection of a rate of flow below a predetermined level.

8. (Original) The apparatus of claim 1 further comprising a filter unit for filtering the pipeline fluid, wherein the detector is mounted to the filter unit.
9. (Original) The apparatus of claim 1 further comprising a docking station, wherein the detector is electrically connected to the docking station.
10. (Original) The apparatus of claim 1 wherein the electronic circuitry comprises electronic transmission and reception circuitry for two way communication with the remote central station.
11. (Original) The apparatus of claim 1 further comprising:
a second detector for detection of a second predetermined condition.
12. (Original) The apparatus of claim 11 wherein the second detector is in communication with the pipeline fluid and is adapted to measure an internal condition of the pipeline fluid and the second predetermined condition comprises a second predetermined internal condition of the pipeline, and wherein the electronic circuitry is adapted to issue a wireless signal to the remote control station that includes information about the second predetermined internal condition. .
13. (Original) The apparatus of claim 12 wherein the second predetermined condition is the rate of flow of fluid through the pipeline and the second detector comprises a flow meter.
14. (Original) The apparatus of claim 11 wherein the second predetermined condition is a predetermined external condition.
15. (Original) The apparatus of claim 14 wherein the predetermined external condition comprises presence of an obstruction to viewing of or access to the detector.
16. (Original) The apparatus of claim 14 wherein the predetermined external condition comprises lack of presence of the first detector in its installed position.

17. (Original) Apparatus for remote inspection of a pressurized medical fluid container comprising:

a detector in communication with the pressurized fluid for measure of a predetermined internal condition of the container; and

an electronic circuit in communication between the detector and a remote central station for issue of a wireless signal to the remote central station, the wireless signal including information about the predetermined internal condition.

18. (Original) The apparatus of claim 17 wherein the electronic circuit is adapted to issue a wireless signal upon detection of the predetermined internal condition.

19. (Original) The apparatus of claim 17 wherein the predetermined internal condition comprises an out of range pressure condition of the fluid.

20. (Original) The apparatus of claim 17 wherein the electronic circuit is configured to issue a signal upon detection that the pressure of the fluid is at or below a predetermined level.

21. (Original) The apparatus of claim 19 wherein the detector comprises a fluid pressure gauge in communication with the container fluid for measure and display of a pressure condition of the fluid.

22. (Original) The apparatus of claim 17 further comprising a docking station, wherein the detector is electrically connected to the docking station and the electronic circuit is at least partially contained within the docking station.

23. (Original) The apparatus of claim 17 further comprising:
a second detector for detection of a predetermined external condition.

24. (Original) The apparatus of claim 23 wherein the second detector comprises an electronic tether in electrical communication with the electronic circuit.

25. (Original) The apparatus of claim 24 wherein the medical fluid container is located in an installed position and the predetermined external condition comprises the lack of presence of the medical fluid container in its installed position.

26. (Original) The apparatus of claim 25 wherein the electronic circuit is adapted to issue a signal upon detection of the lack of presence of the medical fluid container in its installed position.

27. (Original) The apparatus of claim 23 wherein the second detector comprises a sonic sensor for detecting presence of an obstruction to or viewing of the medical fluid container.

28. (Original) The apparatus of claim 23 further comprising:
a third detector for detection of a second predetermined external condition.

29. (Original) The apparatus of claim 28 wherein the second detector comprises an electronic tether for detecting the lack of presence of the medical fluid container in an installed position and the third detector comprises a sonic sensor for detecting presence of an obstruction to or viewing of the medical fluid container.

30. (Original) Apparatus for remote inspection of a container adapted to hold pressurized commercial or industrial gas, the apparatus comprising:

a detector in communication with the pressurized fluid for measure of a predetermined internal condition of the container; and

an electronic circuit in communication between the detector and a remote central station for issue of a wireless signal to the remote central station, the wireless signal including information about the predetermined internal condition.

31. (Currently Amended) The apparatus of claim 30 wherein the electronic circuit is adapted to issue [[a]] the wireless signal upon detection of the predetermined internal condition.

32. (Original) The apparatus of claim 30 wherein the predetermined internal condition comprises an out of range pressure condition of the fluid.

33. (Currently Amended) The apparatus of claim 30 wherein the electronic circuit is [[configures]] configured to issue [[a]] the wireless signal upon detection that the pressure of the fluid is at or below a predetermined level.

34. (Original) The apparatus of claim 32 wherein the detector comprises a fluid pressure gauge in communication with the container fluid for measure and display of a pressure condition of the fluid.

35. (Original) The apparatus of claim 30 further comprising a docking station, wherein the detector is electrically connected to the docking station and the electronic circuit is at least partially contained within the docking station.

36. (Original) The apparatus of claim 30 further comprising:
a second detector for detection of a predetermined external condition.

37. (Original) The apparatus of claim 36 wherein the second detector comprises an electronic tether in electrical communication with the electronic circuit.

38. (Original) The apparatus of claim 37 wherein the container is located in an installed position and the predetermined external condition comprises the lack of presence of the container in its installed position.

39. (Original) The apparatus of claim 38 wherein the electronic circuit is adapted to issue a signal upon detection of the lack of presence of the container in its installed position.

40. (Original) The apparatus of claim 36 wherein the second detector comprises a sonic sensor for detecting presence of an obstruction to or viewing of the medical fluid container.

41. (Original) The apparatus of claim 36 further comprising:
a third detector for detection of a second predetermined external condition.
42. (Original) The apparatus of claim 41 wherein the second detector comprises an electronic tether for detecting the lack of presence of the medical fluid container in an installed position and the third detector comprises a sonic sensor for detecting presence of an obstruction to or viewing of the medical fluid container.
43. (New) The apparatus of claim 1 wherein the detector further comprises an electronic circuit to provide a visual signal when the predetermined internal condition comprises an out of range pressure condition of the pipeline fluid.
44. (New) The apparatus of claim 43 further comprising an electro luminescent light panel to provide the visual signal.
45. (New) The apparatus of claim 44 wherein the electronic circuit is configured to cause intermittent illumination of the light panel.
46. (New) The apparatus of claim 1 wherein the detector further comprises an electronic circuit to provide an audio signal when the predetermined internal condition comprises an out of range pressure condition of the pipeline fluid.
47. (New) The apparatus of claim 46 wherein the audio signal is a beeping sound.
48. (New) The apparatus of claim 46 wherein the audio signal is a recorded information message.
49. (New) The apparatus of claim 46 wherein the detector further comprises an electronic circuit to provide a visual signal when the predetermined internal condition comprises an out of range pressure condition of the pipeline fluid.